

Figure 1.

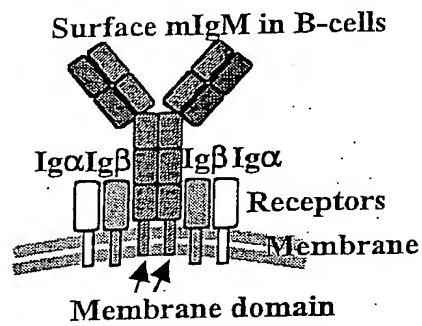


Figure 2

A

Ig α -1S (sense oligo for Ig α containing and SpeI and HindIII cloning sites)
 5' TAG TGA ACT AGT AAG CTT GCC ACC ATG CCA GGG GGT CTA GAA GCC CTC A
 3'

Ig α -221A (antisense oligo for Ig α containing EcoRI and ClaI cloning sites)
 5' GTC TAG ATC GAT GAA TTC TCA TGG CTT TTC CAG CTG GGC ATC 3'

Ig β -1S (sense oligo for Ig β containing SpeI and HindIII cloning sites)
 5' TAG TGA ACT AGT AAG CTT GCC ACC ATG GCC ACA CTG GTG CTG TCT TCC
 ATG 3'

Ig β -229A (antisense oligo for Ig β containing XhoI and ClaI cloning sites)
 5' GTC TAG ATC GAT CTC GAG TCA TTC CTG GCC TGG ATG CTC TCC TAC CGA 3'

B.

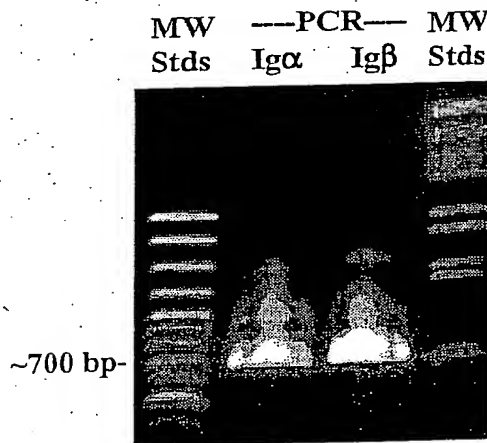


Figure 3

p3.1NeoIg_ Length: 681

Translation

HindIII Signal M P G G L E A L R A L P L
 AAGCTT GCCACC ATG CCA GGG GGT CTA GAA GCC CTC AGA GCC CTG CCT CTC

L L F L S Y A C L G P G C Q A L R
 CTC CTC TTC TTG TCA TAC GCC TGT TTG GGT CCC GGA TGC CAG GCC CTG CCG

V E G G P P S L T V N L G E E A R
 GTA GAA GGG GGT CCA CCA TCC CTG ACG GTG AAC TTG GGC CAG GAG GCC CCG

L T C E N N G R N P N I T W W F S
 CTC ACC TGT GAA AAC AAT GGC AGG AAC CCT AAT ATC ACA TGG TGG TTC AGC

L Q S N I T W P P V P L G P G Q G
 CTT CAG TCT AAC ATC ACA TGG CCC CCA GTG CCA CTG GGT CCT GGC CAG GGT

T T G Q L F F P E V N K N H R G L
 ACC ACA GGC CAG CTG TTC TTC CCC GAA GTA AAC AAG AAC CAC AGG GGC TTG

Y W C Q V I E N N I L K R S C G T
 TAC TGG TGC CAA GTG ATA GAA AAC AAC ATA TTA AAA CCC TCC TGT GGT ACT

Y L R V R N P V P R P F L D M G E
 TAC CTC CCG GTG CCG AAT CCA GTC CCT AGG CCC TTC CTG GAC ATG GGG GAA

G T K N R I I T A E G I I L L F C
 GGT ACC AAG AAC CCG ATC ATC ACA GCA GAA GGG ATC ATC TTG CTG TTC TGT

A V V P G T L L L F R K R W Q N E
 GCA GTG GTG CCA GGG ACG CTG CTG CTA TTC AGG AAA CCG TGG CAA AAT GAG

K F G V D M P D D Y E D E N L Y E
 AAG TTT GGG GTG GAC ATG CCA GAT GAC TAT GAA GAT GAA AAT CTC TAT GAG

G L N L D D C S M Y E D I S R G L
 GGC CTG AAC CTT GAT GAC TGT TCT ATG TAT GAG GAC ATC TCC AGG GGA CTC

Q G T Y Q D V G N L H I G D A Q L
 CAG GGC ACC TAC CAG GAT GTG GGC AAC CTC CAC ATT GGA GAT GCC CAG CTG

E K P * EcoRI
 GAA AAG CCA TGA GAATTC

Figure 4.

p3.12eoIg_ Length: 705

Translation

HindIII Signal M A T L V L S S M P C H W
 AAGCTT GCCACC ATG GGC ACA CTG GTG CTG TCT TCC ATG CCC TGC CAC TGG

L L F L L L L F S G E P V P A M T
 CTG TTG TTC CTG CTG CTG CTC TTC TCA GGT GAG CCG GTA CCA GCA ATG ACA

S S D L P L N F Q G S P C S Q I W
 AGC AGT GAC CTG CCA CTG AAT TTC CAA GGA AGC CCT TGT TCC CAG ATC TGG

Q H P R F A A K K R S S M V K F H
 CAG CAC CCG AGG TTT GCA GGC AAA AAG CCG AGC TCC ATG GTG AAG TTT CAC

C Y T N H S G A L T W F R K R G S
 TGC TAC ACA AAC CAC TCA GGT GCA CTG ACC TGG TTC CGA AAG CGA GGG AGC

Q Q P Q E L V S E E G R I V Q T Q
 CAG CAG CCC CAG GAA CTG GTC TCA GAA GAG GGA CCG AAT GTG CAG ACC CAG

N G S V Y T L T I Q N I Q Y E D N
 AAT GGC TCT GTC TAC ACC CTC ACT ATC CAA AAC ATC CAG TAC GAG GAT AAT

G I Y F C K Q K C D S A N H N V T
 GGT ATC TAC TTC TGC AAG CAG AAA TGT GAC AGC GCC AAC CAT AAT GTC ACC

D S C G T E L L V L G F S T L D Q
 GAC AGC TGT GGC ACG GAA CTT CTA GTC TTA GGA TTC AGC ACG TTG GAC CAA

L K R R N T L K D G I I L I Q T L
 CTG AAG CCG CCG AAC ACA CTG AAA GAT GGC AAT ATC TTG ATC CAG ACC CTC

L I I L F I I V P I F L L L D K D
 CTC ATC ATC CTC TTC ATC AAT GTG CCC ATC TTC CTG CTA CTT GAC AAG GAT

D G K A G M E E D H T Y E G L N I
 GAC GGC AAG GCT GGG ATG GAG GAA GAT CAC ACC TAT GAG GGC TTG AAC AAT

D Q T A T Y E D I V T L R T G E V
 GAC CAG ACA GGC ACC TAT GAA GAC ATA GTG ACT CTT CCG ACA GGG CAG GTA

K W S V G E H P G Q E * XhoI
 AAG TGG TGG GTA GGA GAG CAT CCA GGC CAG GAA TGA CTGGAG

Figure 5

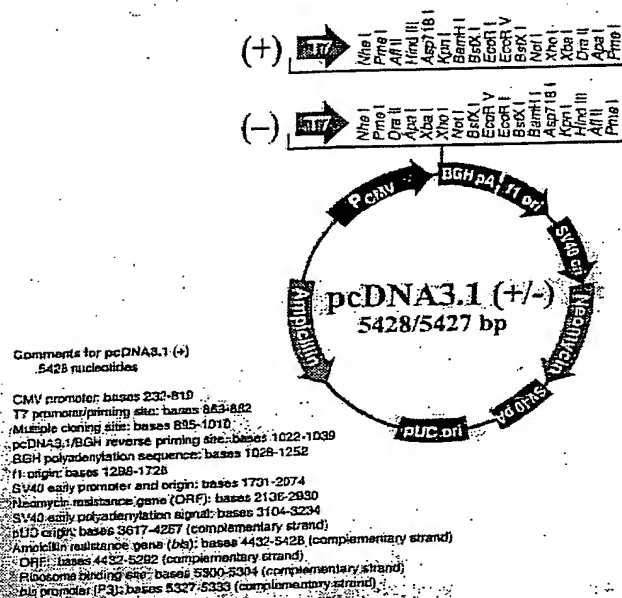


Figure 6

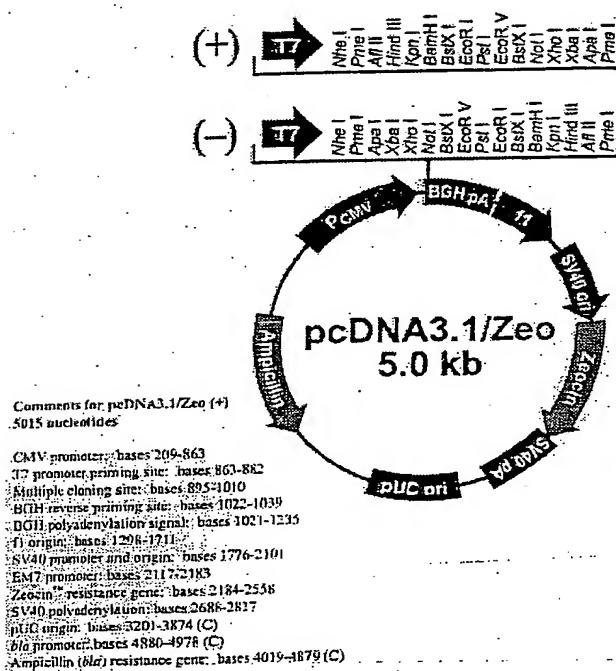


Figure 7.

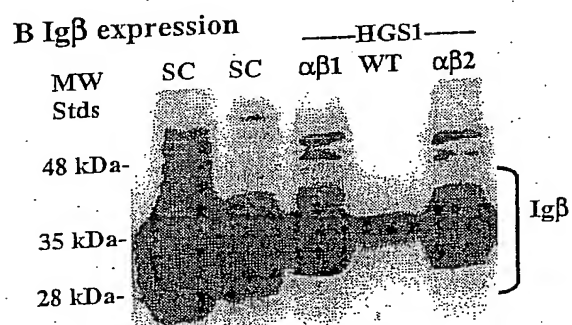
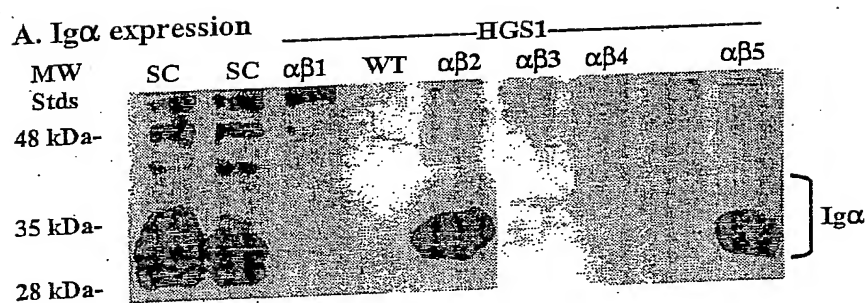


Figure 8

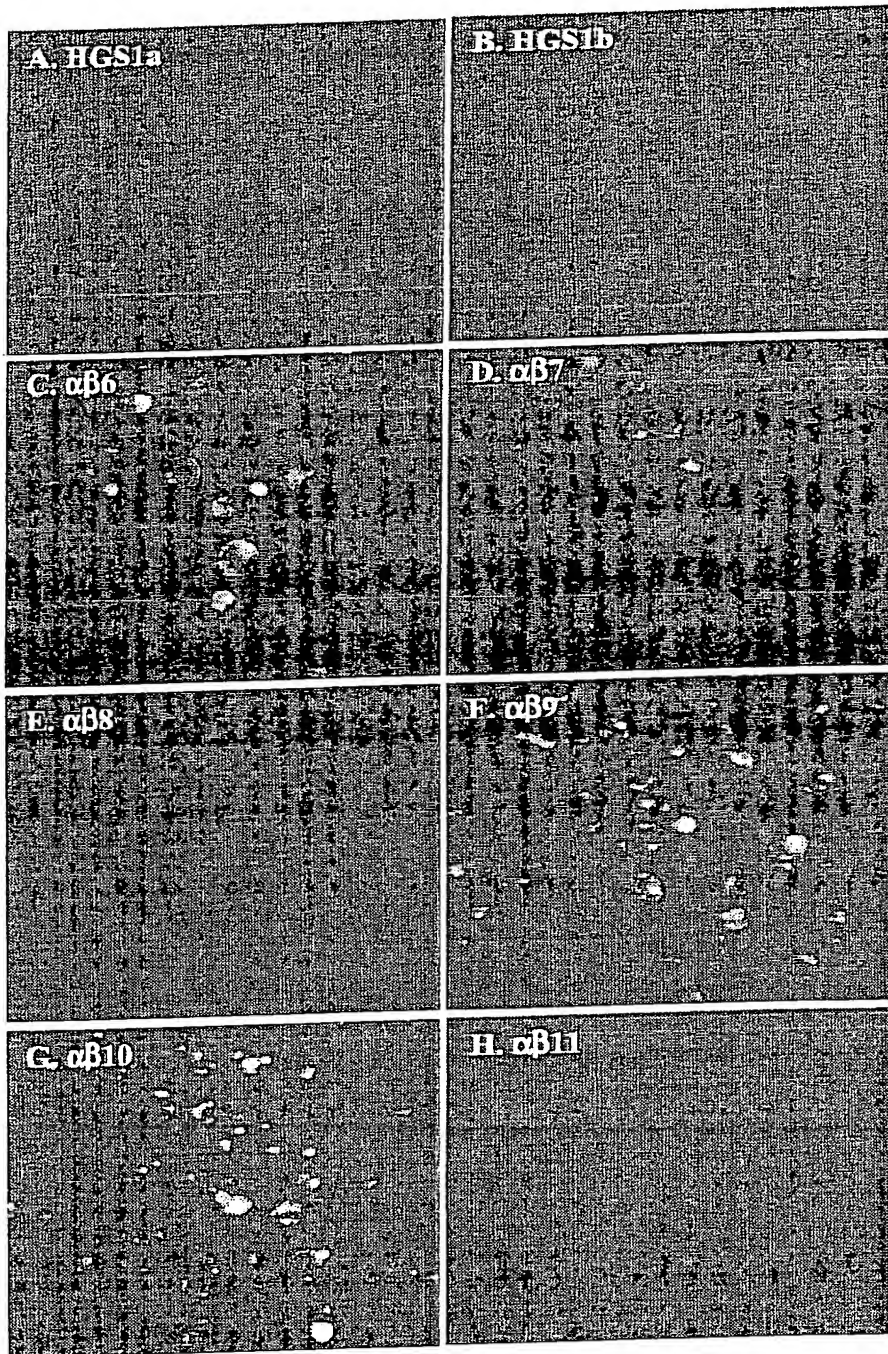


Figure 8 (continued)

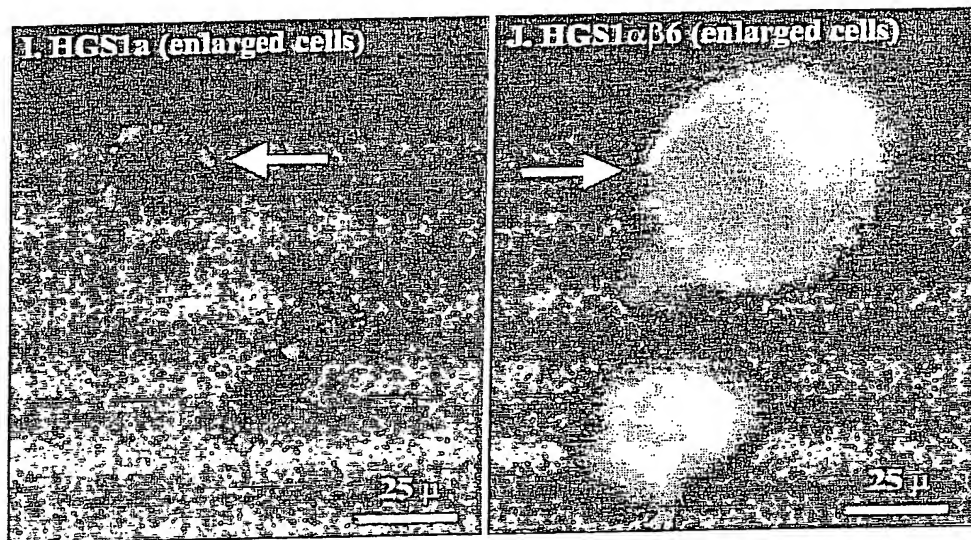
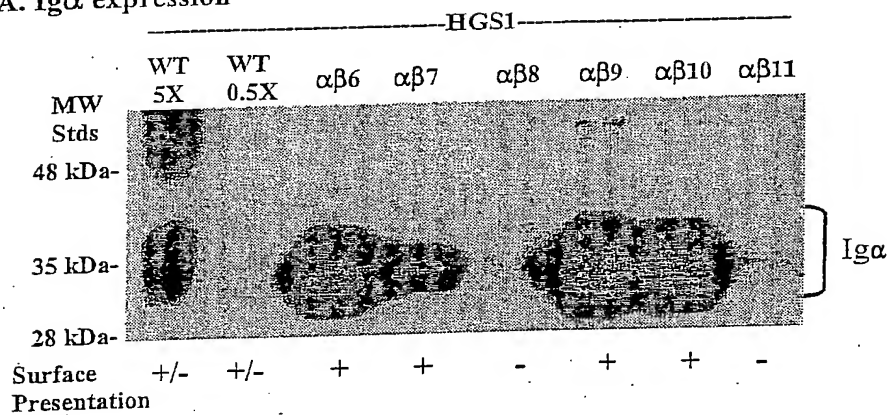


Figure 9

A. Ig α expression



B. Coomassie stained protein

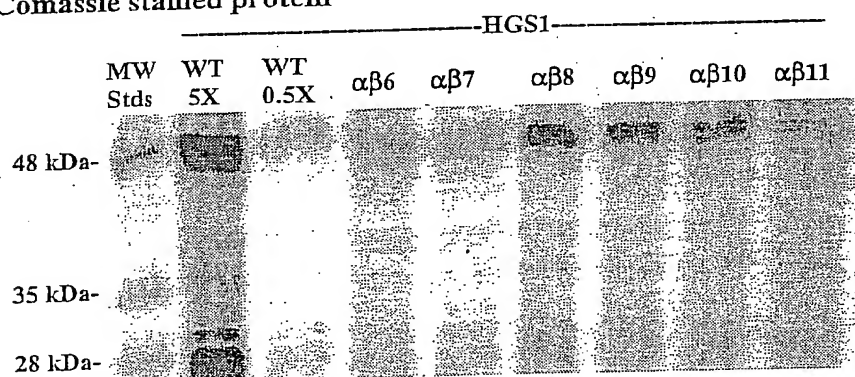


Figure 10

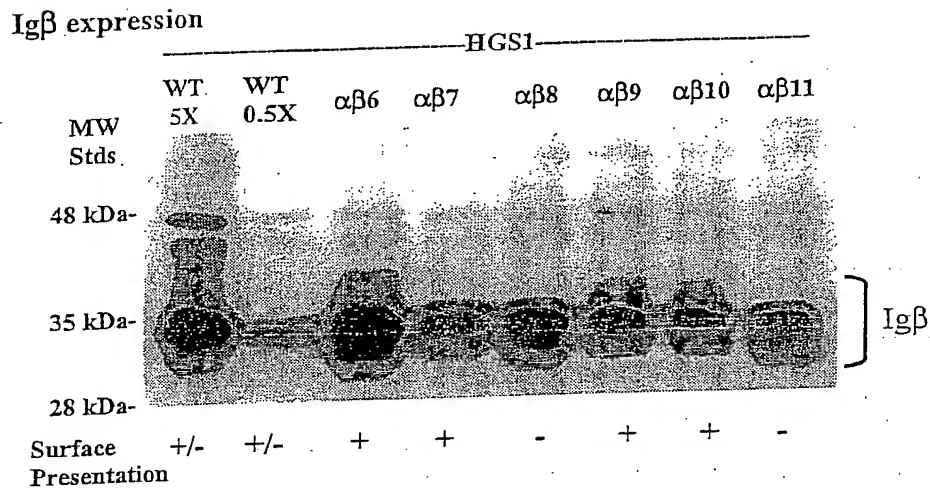


Figure 11

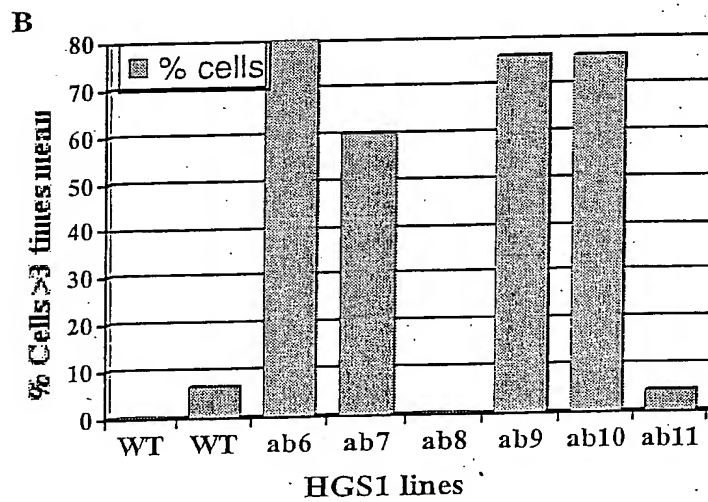
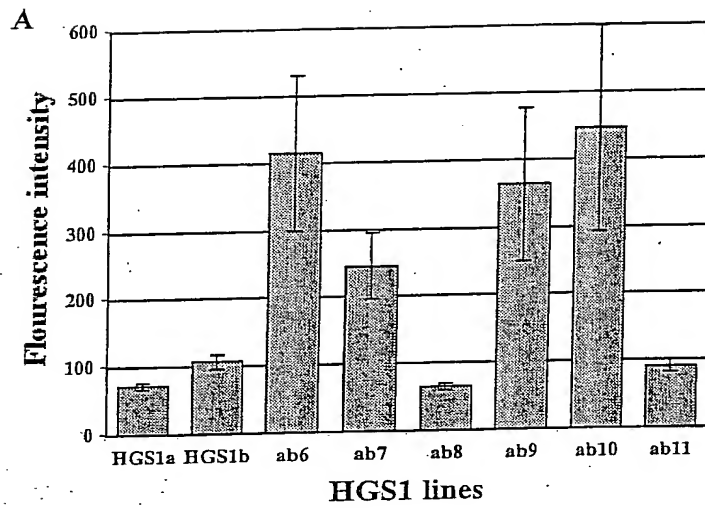


Figure 12

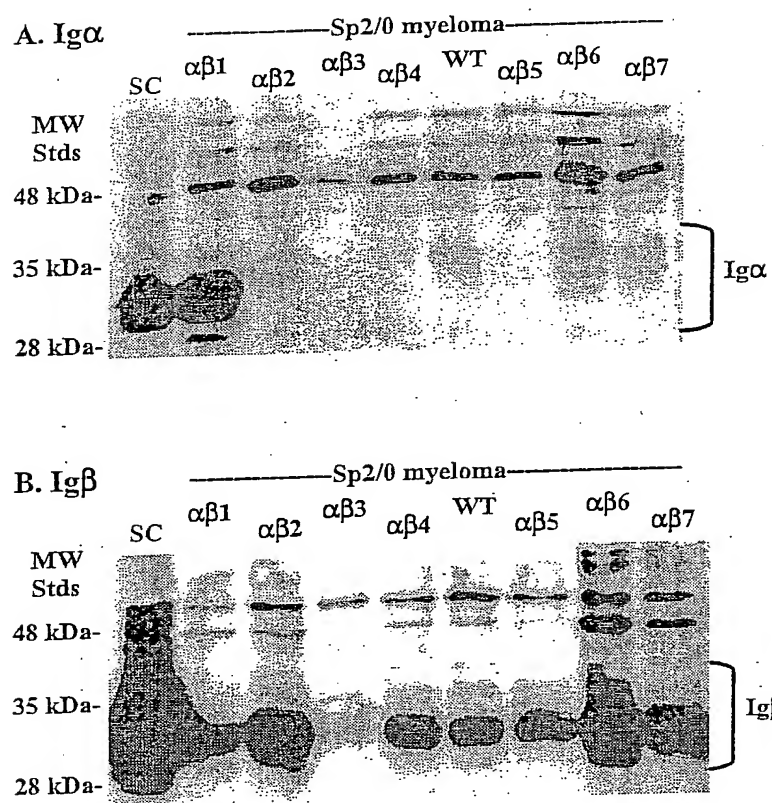


Figure 13

